RUBBER CONVERSION

SRC 200
Technical Data Sheet

Release Version	Date	Replaces Version	Date
1.2.1	01/03/2018	1.2	14/11/2017

DESCRIPTION

Origin: truck and vehicles tires
Appearance: powder
Colour: black

MAIN FEATURES

Chemical and Physical Properties	U.M.	Test	Values
RHC (total polymer content)	%	UNI EN ISO 9924	50 min
Carbon Black	%	UNI EN ISO 9924	25 min
Ash	%	UNI EN ISO 9924	10 max
Acetone extract	%	ASTM D 297	16 max
Tensile strenght (15'/145°C) *	MPa	ASTM D 412	5 min
Elongation at break (15'/145°C) *	%	ASTM D 412	200
Hardness (IRHD) *	IRHD	ISO 48	50 ÷ 70

*** Values related to a compound with 30% SRC content (by weight)**

PACKAGING

Package	Weight x package (Kg)	Transport
EVA bags	5 ÷ 20	Wooden or plastic pallets

RUBBER CONVERSION

M.B. NR/SBR blend							
code Devic. % / **Ingredients**			**M.B. Formula according to the client**		**10%**	**20%**	**30%**
Master Batch (%)			182.00 (100)		163.8 (90)	145.6 (80)	127.4 (70)
Master batch	**NR**		42.00				
	SBR		58.00				
	C. Black		69.00				
	Regenerat		5.50				
	Chemicals		7.50				
	D.R.C. - Devulcanized		(0)		18.2 (10)	36.4 (20)	54.6 (30)
	ZnO		-		0.40	0.80	1.20
	Stearic acid				0.20	0.40	0.60
Total			**182.00**		**182.60**	**183.20**	**183.80**
Accelerators	**Sulfur**		1.00	1.50	1.00	1.00	1.00
	CBS		1.50	0.8	1.50	1.50	1.50
	TMTM					0.40	0.40
	DTDM 80%						
	TMTD		1.00	1.00	1.00	0.60	0.60
	Struktol A-60					0.60	1.00
	Total						
Rheometer	**MDR 2000 160° C**	ML	1.70	1.77	2.13	2.57	3.12
		MH	16.40	18.63	16.71	15.37	15.16
		TS	3.03	2.42	2.37	2.19	1.86
		T50	3.81	3.15	2.96	2.64	2.22
		T90	5.68	5.29	4.67	4.33	3.87
Hardness			61.00	63.00	61.0	60.0	60.0
Modulus kg/cm2	**100%**	0		26	21	19	19
		+					
	200%	0		54	49	40	48
		+					
	300%	0		81	79	73	74
		+					
Tensile strength kg/cm2		0		101	99	89	93
		+					
Elongation %		0		229	285	282	281
		+					
Tear resistance kg/cm Trouseres				6	6.20	6.80	6.80
ABRASION RESISTANCE - mm3				90	95	96	110
Compression set % 22hs, 70°C							
S.G.	calculated			1.128	1.124	1.128	1.131
	measured						